

U-Barrier

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KEY FEATURES

- Enhances fire protection at the junction between the spandrel panel and roof.
- Easy to install before the spandrel panel is fitted.
- Complies with building regulations and NHBC 7.2.16.

APPLICATION

GIS U-Barrier is compressed between the top of the spandrel panel and underside of the roof covering, creating a fire and thermal break.

NHBC 7.2.16 recommends a 25mm gap between the separating wall and the top of adjacent roof trusses, which should be filled with mineral wool. GIS U-Barrier satisfies this recommendation.

INSTALLATION

GIS U-Barrier is designed to be fitted across the top of the spandrel panel underneath the roof covering. Installation is easy, the barrier simply push fits over the top of the spandrel panel. Lengths of GIS U-Barrier should be butted tightly together, with care taken to ensure no gaps remain.

STANDARDS

GIS U-Barrier is manufactured using rock fibre mineral wool which achieves a fire classification of Euroclass A1 as defined in BS EN 13501-1, and conforms to BS EN 13162 and EN16001 Energy Management Systems.

The rock fibre mineral wool insulation has a thermal conductivity of 0.037W/mK.

ACOUSTIC PROPERTIES

The rock fibre mineral wool used in the manufacturing of GIS U-Barrier has the following acoustic absorption properties. Figures quoted were achieved with a solid backing.

Thickness	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz
40mm	0.19	0.46	0.79	0.92	1.00	1.00
100mm	0.57	1.00	1.00	1.00	1.00	1.00

ENVIRONMENT

Guardian Insulation Solutions Environmental policy is designed to reduce waste and reduce our carbon footprint. All products used are chosen for helping us, as a company, to achieve this goal. The KNAUF INSULATIONS ECOSE mineral wool slab meets these requirements. The ECOSE technology used is the first organic binder in the UK for mineral wool. The ECOSE slabs are free from CFCs, HCFCs and contain no other material elements which have ozone depletion potential. Thus they exceed the requirements of BREEAM entering a classification of ZERO ODP as well as ZERO GWP. Where low environmental impact is a key design consideration these products help achieve this goal.

STORAGE AND PACKAGING

GIS U-Barriers are supplied in polythene packs which are designed transporting and protecting the products/ It is not recommended that the packs are stored in direct sunlight. When storing the barriers for longer periods of time it is recommended that the product should be stored indoors, or under cover.

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